

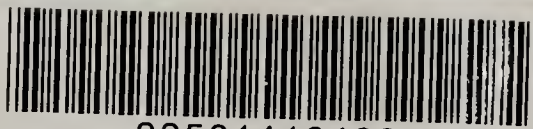
ANNUAL REPORT
OF THE
PORT HEALTH OFFICER, RANGOON

FOR THE YEAR 1915



RANGOON
OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA
1916

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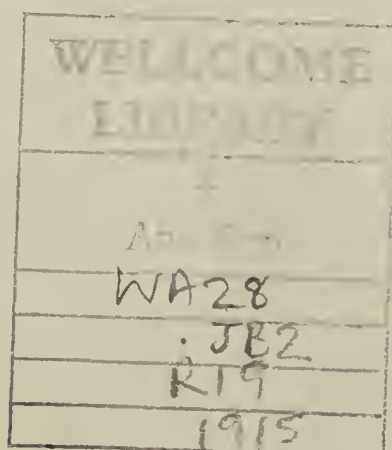
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No.

SANITARY DEPARTMENT.

FROM

THE HON'BLE LIEUT.-COL. C. E. WILLIAMS, M.D., D.P.H.,
D.T.M., I.M.S.,
Sanitary Commissioner, Burma,

TO

THE SECRETARY TO THE GOVERNMENT OF BURMA.

Dated Rangoon, the May 1916.

SIR,

I have the honour to submit herewith the report of the Port Health Officer, Rangoon, for the year 1915.

The number of in-coming vessels in 1915 (1,013) was 55 less than in the previous year, but they carried 75,127 more passengers. Fifty-nine vessels as against 42 of the preceding year were visited by the Port Health Staff and 49 cases (including 7 of small-pox) of infectious diseases other than plague were detected in 23 vessels. Thirty-seven deaths, of which 16 were from cholera (buried at sea), had occurred before arrival. Fifty-four cases of suspicious illness were detected on arrival. Four vessels with 4 cases of infectious disease on board and 2 with other illness failed to report their arrival in quarantine. Six members of the crew and 259 passengers who were unprotected in the 5 small-pox infected vessels were vaccinated by municipal vaccinators. The effects of 11,210 passengers and 730 crew were disinfected.

Inspection was carried out of 286 vessels bound for ports beyond India against 350 in 1914, and 112 passengers were detained. Thirty-two vessels were fumigated at the request of the shipping agents, Rs. 5,725 being realized as fees.

Ten riverine steamers, on 3 of which were plague cases, and on 5 cholera cases, were disinfected, against 3 in 1914. In the other two vessels there was a death from a non-contagious disease and a case of typhoid fever respectively.

Fourteen vessels in port with cases of infectious disease on board, and 4 others with deaths were inspected and 17 of these were disinfected. There were 4 cases of cholera and 10 of small-pox and 1 of chicken-pox on these vessels.

Five passengers intending to proceed by steamers to Indian ports were detained by the agents at the point of embarkation as suspicious cases or too ill to sail, and were sent to the Port Health Department for inspection. Of these 4 were sent to the General Hospital for treatment and the fifth died of diarrhoea.

The provisions of Rule 53 of General Department Notification No. 426, dated the 20th December 1914, for the medical inspection of outward-bound vessels were extended by order of the Local Government, dated the 13th January 1916, to all vessels leaving the port of Rangoon for the ports of Tavoy and Mergui.

Dr. Foy, the Port Health Officer, was assisted by Mr. Solomon throughout the year until for the last week in December, when the latter officer was deputed to

(2)

Tavoy to supervise arrangements for the segregation of Chinese and Indian coolies engaged for work at mining camps. Mr. Aung Khin, Assistant Port Health Officer, received a temporary commission in the Military Department, and relinquished charge of his duties on 12th May 1915. His successor, Mr. I. K. Vazeer, assumed charge on the 22nd September, and continues in his appointment.

The work of the department was efficiently performed, and my thanks are due to Dr. Foy and his staff.

I have the honour to be,

SIR,

Your most obedient servant,

C. E. WILLIAMS, M.D., D.P.H., D.T.M.,

*Lieut.-Col., I.M.S.,
Sanitary Commissioner, Burma.*

ANNUAL REPORT
OF THE
PORT HEALTH OFFICER, RANGOON
FOR THE YEAR 1915.

No. 257—P.-23.

SANITARY DEPARTMENT.

FROM

DR. F. ARTHUR FOY, D.P.H.,
Port Health Officer, Rangoon,

TO

THE SANITARY COMMISSIONER, BURMA.

Dated Rangoon, the 14th March 1916.

SIR,

I have the honour to submit the Annual Report of the work done by the Port Health Department for the year ending 31st December 1915 as under :—

The staff during the year has been :—

Port Health Officer.—Dr. F. Arthur Foy, D.P.H., from 1st January 1915 to 31st December 1915.

Assistant Port Health Officers.—Mr. W. B. Solomon from 1st January 1915 to 22nd December 1915.

From 23rd December to 31st December 1915 Mr. Solomon was on deputation at Tavoy to supervise the segregation of Chinese and Indian coolies arriving there for the mining camps.

Mr. H. Aung Khin, M.B., Ch.B., from 1st January to 12th May 1915 when he left for an appointment in the Indian Medical Service Reserve (temporary) of Medical Officers.

Mr. I. K. Vazeer, D.P.H., from 22nd September to 31st December 1915, in place of Mr. H. Aung Khin.

Nurses or Inspectresses.—Mrs. D. Browne from 1st January 1915 to 31st December 1915; Mrs. H. M. Nunn from 1st January 1915 to 31st March 1915, when Mrs. Nunn who had only been a part-time officer since 1st October 1914 left to join a permanent appointment.

Mrs. J. Stephenson from 16th April 1915 to 31st December 1915.

Sub-Assistant Surgeons.—On account of the slackness of work produced by the war none were entertained, but with the increase of work it will be necessary to take two men on again.

Head Clerk.—M. M. Azeezooddeen Sahib from 1st January 1915 to 31st December 1915.

Clerks and Disinfecting Assistants.—Messrs. M. A. Haq, V. G. Muthu (except for the time he went with Mr. Solomon on deputation) and C. K. Nair. A temporary man was engaged for part of Mr. Muthu's absence.

Police.—Deputy Inspector, Mr. T. H. North, one native Head Constable, 2 Sergeants and 16 Constables. One Deputy Inspector nominally attached to this department has been working in the River Police owing to slackness of work here, but with the increase of work will be required again.

INSPECTION OF IN-COMING VESSELS.

Statement I. *Arrivals.*—One thousand and thirteen vessels from Indian and Foreign ports arrived in this port with 78,664 members of crew and 291,968 passengers (261,979 males, 16,919 females and 13,070 children). The number of vessels is less than in 1914, but the number of passengers who arrived (except of female passengers) is 75,127 in excess of 1914.

Statement I. *Vessels not visited.*—Nine hundred and fifty-four sea-going vessels arrived, the Commanders of which did not report that any infectious disease or unusual rat mortality had occurred on board.

Statement II. *Vessels visited.*—(a) *Sea-going vessels.*—Fifty-nine sea-going vessels arriving from Indian and Foreign ports were visited by the Port Health Staff, or 17 in excess of 1914. Of this number one arrived in quarantine by mistake and 19 vessels were visited on account of the prevalence of cholera at Mergui. The remaining 39 vessels were visited on account of the prevalence of disease on board and of these 33 arrived in quarantine. The remaining six failed to arrive in quarantine, 4 out of the 6 having failed to declare infectious disease on board at Elephant Point, of which two were detected later in town and two by the Port Health Staff on board, the remaining two proved to be cases of non-infectious disease. The four infected vessels carried 373 members of crew and 2,613 passengers (2,431 males, 96 females and 86 children). Of the 39 vessels, 23 had infectious disease on board. No vessels arrived infected with plague.

The following measures were carried out, the numbers undergoing each being given in Statement II :—

(1) *Inspection.*—Forty-nine cases of infectious disease were reported and detected. Of this number 35 were reported on arrival by Commanders of vessels and 12 were detected at inspection and two reported from hospitals in Rangoon. All these cases were disposed of in the manner indicated in Statement II where the results of inspections are also shown.

Twenty-eight cases of inflamed and enlarged glands unconnected with plague were noted.

(2) *Disinfection of effects* of 730 members of crews and 11,210 passengers was duly carried out, the numbers of passengers whose effects were disinfected were more than ten times as many as in the previous year. The accommodation, staff and equipment for this purpose are totally inadequate and often the disinfection resolved itself into that only of body clothing, the remaining effects being allowed to be removed undisinfected.

(3) *Disinfection* of 26 infected vessels was carried out, of this number 25 vessels were disinfected at Rangoon, 24 under the supervision of this department and one by the ship's Surgeon (His Majesty's Australian Cruiser "Psyche") and one vessel was disinfected at Calcutta. In the case of vessels disinfected for cholera, the water tanks were washed out with a concentrated solution of permanganate of potash.

(4) *Surveillance* of the crews of three vessels on account of small-pox was carried out, in the course of which four visits were paid and 401 crews were inspected.

(5) *Vaccination*.—In the case of small-pox infected vessels vaccination was offered to the crews of five vessels and to the passengers of three vessels. On inspection 493 crews were found protected by previous vaccination, 16 by previous attack of small-pox ; of the passengers 1,499 were found protected by previous vaccination, 457 by previous attacks of small-pox. The remaining six members of crew and 259 passengers were vaccinated by the Municipal Vaccinators. In addition, the crew of another vessel were inspected and 94 were found protected by previous vaccination and seven by a previous attack of small-pox. The rule regarding offering vaccination to coolies arriving by infected vessels requires alteration. It should be made compulsory. The accommodation for purposes of the enforcement of Section IX of the Vaccination Law Amendment Act is totally inadequate. This Act has been practically in abeyance during 1915.

(6) As no vessels arrived infected with plague no fumigations on this account were carried out.

Port Health Camp.—The Camp has been maintained in readiness to segregate the passengers of vessels arriving plague-infected, but no such vessels arrived in 1915. Chinese and Indian coolies for Tavoy were accommodated and segregated for two and nine days respectively in December. It is under consideration to utilise a part of the Camp for the accommodation of passengers arriving by vessels infected with yellow fever. The buildings at the Camp are all temporary structures and fast decaying, and it is advisable to put up one permanent structure at least every year till the temporary buildings are replaced. The river bank is being eroded and requires strengthening. A laterite pathway from low water mark up to the gate is extremely necessary. The maintenance of a Camp in a large arrival port like Rangoon, probably the second largest in the world, is very advisable.

Towards the close of 1915 the cholera epidemic in Calcutta caused no little concern, more stringent measures in such circumstances are extremely necessary. It is impossible for Commanders of vessels to know what cases of sickness they have on board among the large crowds they carry, and rules to prevent importation of disease by deck passengers and coolies are badly needed.

Riverine.—Ten vessels were visited on account of the occurrence of infectious disease and deaths on board. They carried 272 members of crews and 989 passengers (880 males, 60 females and 49 children). Statement II.

Three vessels arrived plague-infected, five cholera, one typhoid and one on account of death said to be due to chronic asthma. The measures carried out are detailed in Statement II. The three plague-infected vessels had 25lb. of sulphur burnt in the holds. More riverine vessels underwent measures than in 1914.

INSPECTION OF OUT-GOING VESSELS.

Inspection of vessels proceeding to ports out of India.—Two hundred and eighty-six vessels left this port with 22,174 members of crew and 14,050 passengers (11,108 males, 1,623 females and 1,319 children) who were all inspected prior to departure. Statement III.

Of the Asiatic members of crew 1,266 were examined twice, both when signing on the ships' articles at the Shipping Office and at the time of departure.

Passes were issued under special circumstances to 494 relatives and friends of passengers permitting them to go on board to see their friends off. The results of these inspections and of other measures carried out are shown in Statement III. One person was detected suffering from small-pox and one from measles. These were sent to hospital here. It is satisfactory to be able to record that, as far as is known, no cases of plague occurred among either the crew or passengers of these vessels on their outward voyage. Among fever suspects sent to hospital for observation one case of enteric developed in hospital. The coolies employed to convey the baggage of passengers on to tenders and steamers have been medically inspected and their uniforms disinfected on each occasion prior to their handling the baggage.

Sanitary condition of vessels at inspection.—All the above vessels certified that their decks have been washed down, the crews' quarters were all inspected prior to issue of the Bill of Health; 4 were found not cleaned, 29 with bunk boards not removed and washed and 46 with the ledges not cleaned. These were all cleaned at inspection.

Prevention of ingress of rats into vessels at wharves.—Fifty-five inspections were made. The number of vessels alongside was 74.

End off Certificates.—Three vessels bound for Australian ports were granted these. Eight visits were made to these vessels.

Disinfection of wearing apparel booked as cargo.—Three consignments of wearing apparel booked as cargo, all for Penang, were brought for inspection and disinfection. As all the contents were clean they were accepted as disinfected.

Passengers proceeding to Indian ports found sick by Ships' Doctors and Agents at embarkation.—Five passengers intending to proceed by five steamers were detained as suspicious or too ill to sail and sent to this department for inspection. Of this number four were sent to the Civil General Hospital for treatment suffering from ordinary ailments where one developed into a suspicious case of cholera and was transferred to the Contagious Diseases Hospital and proved non-fatal, and another case died of diarrhoea. A case of small-pox sent was also non-fatal.

Fumigation with Clayton Apparatus at Agents' request.—There were 32 of these against 12 only in 1914.

Inspections of vessels in Harbour.—During the year 1915 eighteen vessels in harbour had 31 cases of illness reported against them, 15 vessels having had 17 cases of infectious disease, one of which (relapsing fever) developed under observation in hospital. Four vessels had deaths on board, but on *post-mortem* examination none of these were diagnosed as cases of infectious disease. All the 18 vessels were visited by the Port Health Staff, and the results of these visits are detailed in Statement II. Surveillance of the crews of three vessels on account of small-pox was carried out in the course of which four visits were paid and 120 crew inspected. Vaccination was offered to the crews of six vessels infected with small-pox. On inspection 454 were found protected by vaccination, 23 by a previous attack of small-pox and 27 were unprotected. Of the latter 26 were vaccinated and one deserted from the vessel.

MISCELLANEOUS TRANSACTIONS AND REMARKS.

Statements
IV & V.

Examination of Port Trust Officers and employés.—There are now 1,206 officers, employés and subordinates on the staff of the Port Commissioners. Eight cases of infectious disease were dealt with among them.

Statement
IV.

Deteriorated food-stuffs.—Two consignments of onions brought as cargo were found unfit for human consumption and recommended to be destroyed.

Light-house men.—Forty-eight were examined prior to being sent to duty and 47 were passed fit.

Statement
V.

Port Health Department employés and Police.—Thirty-one reported sick with ordinary ailments are shown in Statement IV and were sent to hospital for treatment.

Infectious diseases dealt with.—The total number of cases was 88 and these are shown in Statement V. Plague only occurred in riverine vessels.

Disinfection.—The two stoves were closed for 434 hours excluding time spent in sorting soiled effects.

Port Health Department.—The Assistant Port Health Officers and all the staff have carried out their sometimes arduous duties efficiently and deserve my thanks for the help they have given me.

I have the honour to be,

SIR,

Your most obedient servant,

F. ARTHUR FOY, M.B., C.M., D.P.H.,

Port Health Officer, Rangoon.

STATEMENT

Statement showing In-coming Sea-going Vessels

| Months. | Not visited. (1) | | | | | | Visits. (2) | | | | | | From | |
|---------------|---------------------|-----------------|-----------------------|----------|-----------|---------|--------------------|-----------------|-----------------------|----------|-----------|--------|--------------------|-----------------|
| | Number of vessels. | Number of crew. | Number of passengers. | | | | Number of vessels. | Number of crew. | Number of passengers. | | | | Number of vessels. | Number of crew. |
| | | | Males. | Females. | Children. | Total. | | | Males. | Females. | Children. | Total. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| January ... | 89 | 7,094 | 21,496 | 1,458 | 956 | 23,910 | 2 | 116 | ... | . | .. | ... | 74 | 5,871 |
| February ... | 89 | 6,805 | 26,958 | 922 | 1,516 | 29,396 | 6 | 528 | 5,225 | 444 | 337 | 6,006 | 76 | 5,925 |
| March .. | 100 | 7,459 | 11,019 | 1,076 | 544 | 12,639 | 7 | 668 | 3,504 | 184 | 115 | 3,803 | 75 | 5,573 |
| April ... | 92 | 6,819 | 12,626 | 930 | 703 | 14,259 | 6 | 699 | 3,522 | 280 | 183 | 3,985 | 66 | 5,224 |
| May .. | 100 | 7,319 | 18,749 | 1,147 | 983 | 20,879 | 2 | 198 | 832 | 42 | 58 | 932 | 73 | 5,582 |
| June ... | 88 | 6,681 | 15,232 | 1,271 | 891 | 17,394 | 2 | 130 | 584 | 27 | 16 | 627 | 67 | 4,849 |
| July ... | 82 | 6,252 | 19,249 | 1,157 | 554 | 20,960 | 1 | 152 | 1,480 | 84 | 38 | 1,602 | 65 | 5,186 |
| August ... | 72 | 5,407 | 11,874 | 857 | 564 | 13,295 | 4 | 235 | 176 | 21 | 8 | 205 | 61 | 4,537 |
| September ... | 57 | 4,333 | 14,884 | 1,345 | 934 | 17,163 | 6 | 558 | 471 | 93 | 39 | 603 | 47 | 3,568 |
| October ... | 64 | 5,520 | 19,155 | 1,339 | 847 | 21,341 | 4 | 274 | 551 | 94 | 46 | 691 | 54 | 4,609 |
| November ... | 66 | 5,222 | 32,119 | 1,811 | 1,294 | 35,224 | 8 | 741 | 1,658 | 274 | 180 | 2,112 | 60 | 4,702 |
| December ... | 55 | 4,460 | 30,961 | 1,538 | 1,768 | 34,267 | 11 | 994 | 9,654 | 525 | 496 | 10,675 | 55 | 4,358 |
| Total ... | 954 | 73,371 | 234,322 | 14,851 | 11,551 | 260,727 | 59 | 5,293 | 27,657 | 2,068 | 1,516 | 31,241 | 773 | 59,984 |

No. 1.

during the year ending 31st December 1915.

| Indian Ports. (3) | | | | From Foreign Ports. (4) | | | | | | Totals of (1) and (2) or (3) and (4). | | | | | |
|----------------------|----------|-----------|---------|----------------------------|-----------------|-----------------------|----------|-----------|--------|--|-----------------|-----------------------|----------|-----------|---------|
| Number of passengers | | | | Number of vessels. | Number of crew. | Number of passengers. | | | | Number of vessels. | Number of crew. | Number of passengers. | | | |
| Males. | Females. | Children. | Total. | | | Males. | Females. | Children. | Total. | | | Males. | Females. | Children. | Total. |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 20,128 | 1,328 | 890 | 22,346 | 17 | 1,339 | 1,368 | 130 | 66 | 1,564 | 91 | 7,210 | 21,496 | 1,458 | 956 | 23,910 |
| 31,266 | 1,277 | 1,794 | 34,337 | 19 | 1,408 | 917 | 89 | 59 | 1,065 | 95 | 7,333 | 32,183 | 1,366 | 1,853 | 35,402 |
| 13,379 | 1,158 | 594 | 15,131 | 32 | 2,554 | 1,144 | 102 | 65 | 1,311 | 107 | 8,127 | 14,523 | 1,260 | 659 | 16,442 |
| 15,146 | 1,078 | 782 | 17,006 | 32 | 2,294 | 1,002 | 132 | 104 | 1,238 | 98 | 7,518 | 16,148 | 1,210 | 886 | 18,244 |
| 18,768 | 1,089 | 962 | 20,819 | 29 | 1,935 | 813 | 100 | 79 | 992 | 102 | 7,517 | 19,581 | 1,189 | 1,041 | 21,811 |
| 14,920 | 1,192 | 835 | 16,947 | 23 | 1,962 | 896 | 106 | 72 | 1,074 | 90 | 6,811 | 15,816 | 1,298 | 907 | 18,021 |
| 20,293 | 1,205 | 563 | 22,061 | 18 | 1,218 | 436 | 36 | 29 | 501 | 83 | 6,404 | 20,729 | 1,241 | 592 | 22,562 |
| 11,602 | 842 | 527 | 12,971 | 15 | 1,105 | 448 | 36 | 45 | 529 | 76 | 5,642 | 12,050 | 878 | 572 | 13,500 |
| 14,881 | 1,380 | 935 | 17,204 | 16 | 1,323 | 466 | 58 | 38 | 562 | 63 | 4,891 | 15,355 | 1,438 | 973 | 17,766 |
| 18,359 | 1,208 | 715 | 20,282 | 14 | 1,185 | 1,347 | 225 | 178 | 1,750 | 68 | 5,794 | 19,706 | 1,433 | 893 | 22,032 |
| 32,208 | 1,818 | 1,277 | 35,303 | 14 | 1,261 | 1,569 | 267 | 197 | 2,033 | 74 | 5,963 | 33,777 | 2,085 | 1,474 | 37,336 |
| 39,521 | 1,889 | 2,185 | 43,595 | 11 | 1,096 | 1,094 | 174 | 79 | 1,347 | 66 | 5,454 | 40,615 | 2,063 | 2,264 | 44,942 |
| 250,479 | 15,464 | 12,059 | 278,002 | 240 | 18,680 | 11,500 | 1,455 | 1,011 | 13,966 | 1,013 | 78,664 | 261,979 | 18,691 | 13,070 | 291,968 |

STATEMENT

Statement showing the work done in connection with In-coming Sea-going Vessels, Riverine Steamers

| Detail of vessels. | Number of vessels visited. | Reasons for quarantine. | Names of certain vessels. | Numbers carried. | | Medical inspection. | | | | | | | | | | | | | | Corpse from vessel. | |
|------------------------|----------------------------|---------------------------------|---------------------------|------------------|-------------|---------------------|-------------|----------|-----------|--------|--|---------------------|---------|-------------------|-----------------|--------------------|-----------------|-------------|-----------------|---------------------|--|
| | | | | Crew. | Passengers. | Numbers. | | | | | Inflamed and enlarged glands not plague. | Temperature tested. | | | | | | | | | |
| | | | | | | Crew. | Passengers. | | | | | Tested. | Normal. | Sick from vessel. | | Suspects detected. | | | | | |
| | | | | | | | Males. | Females. | Children. | Total. | | | | Infectious. | Non-infectious. | Infectious. | Non-infectious. | Infectious. | Non-infectious. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| Sea-going (In-coming). | ... | Quarantine. | | | | | | | | | | | | | | | | | | | |
| | ... | Plague ... | ... | 5,293 | 31,241 | 4,246 | 18,812 | 1,423 | 889 | 21,124 | 28 | 388 | 171 | 22 | 13 | 16 | 170 | ... | 3 | | |
| | 8 | Cholera ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 4 | Small-pox .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 3 | Chicken-pox . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 4 | Measles ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 9 | Deaths ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 5 | Suspicious cases | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 6 | Failed to arrive in quarantine. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | ... | Cholera ... 3 | "Lunka " | ... | .. | ... | ... | .. | ... | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... | | |
| | ... | | "Shahzada " | | | | | | | | | | | | | | | | | | |
| | ... | | "Kistna " | | | | | | | | | | | | | | | | | | |
| | ... | Small-pox ... 1 | "Lunka " | | | | | | | | | | | | | | | | | | |
| | ... | Deaths, ordinary. | "Hindu " | | | | | | | | | | | | | | | | | | |
| | | | "Dovre " | | | | | | | | | | | | | | | | | | |
| | 1 | By mistake ... | "Dunera " | | | | | | | | | | | | | | | | | | |
| | 19 | Prevalence of cholera Mergui. | ... | | | | | | | | | | | | | | | | | | |
| | Riverine (In-coming). | 59 | ... | ... | 5,293 | 31,241 | 4,246 | 18,812 | 1,423 | 889 | 21,124 | 28 | 388 | 171 | 22 | 13 | 16 | 170 | ... | 3 | |
| | | 3 | Plague ... | ... | 272 | 989 | 262 | 880 | 60 | 49 | 989 | ... | 30 | 19 | .. | ... | 2 | 11 | 1 | 1 | |
| 5 | | Cholera .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| 1 | | Death ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| 1 | | Typhoid ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| In Port. | 10 | ... | ... | 272 | 989 | 262 | 880 | 60 | 49 | 989 | ... | 30 | 19 | .. | .. | 2 | 11 | 1 | 1 | | |
| | 3 | Cholera ... | ... | 1,166 | 122 | 1,154 | 118 | 1 | 3 | 122 | ... | 62 | 42 | 10 | 2 | 3 | 10 | ... | 3 | | |
| | 9 | Small-pox ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | |
| | 1 | Chicken-pox ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 1 | Mumps ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 4 | Deaths ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | 18 | ... | ... | 1,166 | 122 | 1,154 | 118 | 1 | 3 | 122 | ... | 62 | 42 | 10 | 2 | 3 | 10 | ... | 3 | | |
| ... | ... | ... | 6,731 | 32,352 | 5,662 | 19,810 | 1,484 | 941 | 22,235 | 28 | 480 | 232 | 42 | 15 | 21 | 191 | 1 | 7 | | | |

NOTE.—The entries in columns 38—41 under the general heading "Disinfection" have no reference to cross headings for "Names

No. II.

and Steamers in Harbour arriving in quarantine during the year ending 31st December 1915.

| Already disposed of by Commander. | | | | Total reported and detected. | Names of diseases. | Disposal of cases. | | | | | | | | | | | Disinfection. | | | |
|-----------------------------------|-----------------|-------------|-----------------|------------------------------|--------------------|-----------------------|--------------------|----------------|-------------|----------------|----------------------|--------|----------------------|----------------|-------------------|--------|---------------|-----------|----------|-------------|
| Cases. | | Corpses. | | | | Sick. | | | | | | | Corpses. | | | | Vessels. | | Effects. | |
| Infectious. | Non-infectious. | Infectious. | Non-infectious. | | | Hospitals. | | | | Left on board. | Left at other ports. | Total. | Left at other ports. | Buried at sea. | Rangoon mortuary. | Total. | Number. | Locality. | Crew. | Passengers. |
| | | | | | | Contagious Dis-eases. | Government Plague. | Civil General. | Residences. | | | | | | | | | | | |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| 7 | .. | 16 | 18 | .. | Plague | ... | ... | ... | ... | ... | .. | .. | .. | .. | .. | .. | .. | ... | 730 | 11,210 |
| ... | ... | ... | .. | 25 | Cholera | ... | 8 | ... | 1 | ... | .. | 9 | ... | 16 | .. | 16 | 8 | Rangoon. | 730 | 11,210 |
| .. | ... | ... | ... | 7 | Small-pox | ... | 6 | ... | .. | ... | 1 | 7 | ... | ... | .. | .. | 5 | | | |
| ... | ... | ... | .. | 8 | Chicken-pox | ... | 5 | .. | ... | ... | 3 | 8 | .. | .. | ... | ... | 2 | | | |
| ... | ... | ... | ... | 8 | Measles | ... | 2 | ... | 2 | 1 | 3 | 8 | .. | .. | ... | ... | 3 | Calcutta. | 730 | 11,210 |
| ... | ... | ... | ... | 1 | Mumps | ... | 1 | ... | .. | ... | .. | 1 | .. | ... | .. | ... | 1 | | | |
| ... | ... | ... | ... | 54 | Suspicious illness | 24 | 30 | ... | ... | .. | ... | 54 | ... | .. | .. | .. | 4 | Rangoon. | 730 | 11,210 |
| .. | ... | ... | ... | 141 | Ordinary illness | 85 | 16 | 22 | 7 | 9 | .. | 141 | ... | ... | .. | 3 | | | | |
| ... | ... | ... | ... | 21 | Deaths, ordinary | ... | ... | ... | 2 | ... | ... | ... | .. | 18 | 3 | 21 | .. | | | |
| 7 | ... | 16 | 18 | 265 | | 131 | 46 | 22 | 12 | 10 | 7 | 228 | ... | 34 | 3 | 37 | 26 | ... | 730 | 11,210 |
| 5 | ... | 1 | ... | 3 | Plague | ... | 2 | .. | ... | ... | ... | 2 | ... | ... | 1 | 1 | 3 | Rangoon | 203 | 983 |
| ... | ... | ... | .. | 5 | Cholera | ... | 2 | ... | ... | ... | 3 | 5 | ... | ... | ... | ... | 5 | | | |
| ... | ... | .. | ... | 1 | Typhoid | ... | 1 | ... | ... | .. | .. | 1 | ... | .. | .. | .. | 1 | | | |
| ... | ... | ... | ... | 9 | Suspicious illness | 1 | 2 | ... | 6 | ... | ... | 9 | ... | ... | ... | .. | 1 | | | |
| ... | ... | ... | ... | 2 | Ordinary illness | ... | ... | 1 | ... | 1 | ... | 2 | ... | ... | ... | .. | .. | | | |
| ... | ... | ... | ... | 1 | Death, ordinary | ... | ... | ... | ... | .. | ... | .. | 1 | .. | ... | 1 | ... | | | |
| 5 | ... | 1 | ... | 21 | | 3 | 5 | 1 | 6 | 1 | 3 | 19 | 1 | .. | 1 | 2 | 10 | | 203 | 983 |
| 2 | ... | 1 | ... | 4 | Cholera | 3 | ... | ... | ... | ... | ... | 3 | .. | 1 | ... | 1 | 3 | Rangoon | 818 | 102 |
| ... | ... | ... | ... | 10 | Small-pox | 10 | ... | ... | ... | ... | ... | 10 | ... | ... | .. | ... | 9 | | | |
| ... | ... | .. | ... | 1 | Chicken-pox | 1 | ... | ... | ... | ... | ... | 1 | .. | .. | ... | ... | 1 | | | |
| ... | ... | ... | ... | 1 | Mumps | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | | | |
| ... | ... | ... | ... | 1 | Relapsing fever | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | .. | ... | ... | | | |
| ... | ... | ... | ... | 8 | Suspicious illness | 4 | 4 | ... | ... | ... | .. | 8 | ... | ... | .. | ... | ... | | | |
| ... | .. | ... | ... | 2 | Ordinary illness | ... | ... | 1 | ... | 1 | ... | 2 | ... | ... | ... | ... | ... | | | |
| ... | ... | .. | ... | 4 | Deaths, ordinary | ... | ... | ... | ... | ... | .. | ... | ... | ... | 4 | 4 | 4 | | | |
| 2 | ... | 1 | ... | 31 | | 20 | 4 | 1 | ... | 1 | ... | 26 | .. | 1 | 4 | 5 | 17 | | 818 | 102 |
| 14 | ... | 18 | 18 | 317 | | 154 | 55 | 24 | 18 | 12 | 10 | 273 | 1 | 35 | 8 | 44 | 53 | | 1,751 | 12,295 |

of diseases" in columns 3 and 26; they indicate merely the port at which disinfection was performed and the number of ships disinfected.

STATEMENT
Statement showing the work done in connection with out-going Vessels

| Months. | Number of vessels. | Shore Inspection. | | | | | | | | | | | Results of Inspection. | | | | |
|---------------|--------------------|-------------------|------------------|----------|-----------|--------|----------------|--------------------|----------|-----------|--------|----------------------------------|------------------------|---------|---------|--|-----------------|
| | | Asiatic crew. | Deck passengers. | | | | European crew. | Saloon passengers. | | | | Passes to relatives and friends. | Temperatures. | | | | |
| | | | Males. | Females. | Children. | Total. | | Males. | Females. | Children. | Total. | | Glands. | Tested. | Normal. | Allowed on m.c. or at Commander's request. | Cases detained. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| January ... | 20 | 1,304 | 479 | 53 | 37 | 569 | 367 | 196 | 53 | 23 | 272 | 95 | 10 | 24 | 15 | 2 | 7 |
| February ... | 32 | 1,739 | 421 | 13 | 19 | 453 | 602 | 121 | 48 | 31 | 200 | 40 | 6 | 25 | 17 | 4 | 4 |
| March ... | 43 | 2,520 | 773 | 71 | 65 | 909 | 922 | 254 | 138 | 71 | 463 | 54 | 7 | 30 | 9 | 8 | 13 |
| April ... | 26 | 1,646 | 799 | 106 | 98 | 1,003 | 442 | 221 | 111 | 73 | 405 | 69 | 8 | 16 | 6 | 5 | 5 |
| May ... | 32 | 1,392 | 1,179 | 128 | 102 | 1,409 | 777 | 151 | 72 | 38 | 261 | 26 | 5 | 43 | 15 | 15 | 13 |
| June ... | 31 | 1,589 | 1,016 | 62 | 79 | 1,157 | 578 | 132 | 56 | 47 | 235 | 42 | 17 | 80 | 42 | 24 | 14 |
| July ... | 23 | 949 | 873 | 55 | 46 | 974 | 580 | 90 | 32 | 38 | 160 | 18 | 9 | 58 | 41 | 8 | 9 |
| August ... | 24 | 1,217 | 932 | 95 | 102 | 1,130 | 540 | 131 | 52 | 47 | 230 | 47 | ... | 29 | 9 | 9 | 11 |
| September ... | 19 | 983 | 961 | 84 | 80 | 1,125 | 491 | 106 | 51 | 35 | 192 | 19 | 4 | 44 | 32 | 1 | 11 |
| October ... | 11 | 767 | 861 | 89 | 71 | 1,021 | 339 | 118 | 59 | 34 | 211 | 38 | 28 | 61 | 49 | 4 | 8 |
| November ... | 14 | 671 | 610 | 47 | 50 | 707 | 782 | 103 | 41 | 32 | 176 | 17 | 6 | 50 | 32 | 5 | 13 |
| December ... | 11 | 566 | 479 | 77 | 71 | 627 | 411 | 102 | 29 | 30 | 161 | 29 | 7 | 8 | 1 | 3 | 4 |
| | 286 | 15,313 | 9,383 | 881 | 820 | 11,084 | 6,231 | 1,725 | 742 | 499 | 2,966 | 494 | 107 | 468 | 268 | 88 | 112 |

STATEMENT
Statement showing Medical Inspection of Port Trust Officers, Employe's

| Months. | Medical Boards. | | | | Port Trust candidates. | | |
|---------------|---------------------|-------------------|-----------------------|-------------------|---------------------------------------|--------------------------------|------------------------------|
| | Pilots examined for | | Officers examined for | | Number of examinations of candidates. | Number of candidates examined. | Number of candidates passed. |
| | Leave. | Physical fitness. | Leave. | Physical fitness. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| January ... | ... | ... | ... | ... | ... | ... | ... |
| February ... | ... | ... | ... | ... | 10 | 7 | 3 |
| March ... | ... | ... | ... | ... | 15 | 9 | 7 |
| April ... | ... | ... | ... | ... | 1 | 1 | 1 |
| May ... | ... | ... | ... | 1 | 2 | 2 | 2 |
| June ... | ... | 1 | ... | 1 | 5 | 2 | 1 |
| July ... | ... | ... | ... | ... | 7 | 3 | ... |
| August ... | ... | 1 | ... | ... | 11 | 5 | 5 |
| September ... | ... | ... | ... | ... | ... | ... | ... |
| October ... | ... | ... | ... | ... | 6 | 2 | 2 |
| November ... | ... | ... | ... | ... | 2 | 1 | 1 |
| December ... | ... | ... | ... | ... | 1 | 1 | 1 |
| | ... | 2 | ... | 2 | 60 | 33 | 23 |

* The greater part of the remainder attended hospital

No. III.

bound for Ports beyond India during the year ending 31st December 1915

| Diseases. | | | | Disposal of sick. | | | | Disinfection. | | | | Fumigation with Clayton apparatus at Agent's request. | | | |
|------------|----------------|----------|---------------------------|-------------------------|-----------------------------|-------------------------------|------------------------|-------------------------------------|------------------|--------|---|---|-------------------|-------------|------------------|
| Small-pox. | Enteric fever. | Measles. | Fever and other ailments. | Civil General Hospital. | Government Plague Hospital. | Contagious Diseases Hospital. | Passengers' residence. | Asiatic crew & passengers' effects. | Boots and shoes. | Boxes. | Baggage; coolies' effects also medically inspected. | Vessels. | Sulphur consumed. | Time spent. | Amount realised. |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| ... | ... | ... | 7 | ... | 6 | ... | 1 | 1,873 | 1,265 | 460 | ... | 1 | 470 | 21'30 | 200 |
| ... | ... | ... | 4 | 1 | 3 | ... | ... | 2,192 | 1,055 | 790 | ... | 4 | 1,773 | 69'40 | 725 |
| 1 | ... | ... | 12 | 1 | 9 | 1 | 2 | 3,429 | 1,314 | 1,060 | 51 | 3 | 1,299 | 47'10 | 550 |
| ... | ... | 1 | 4 | ... | 4 | 1 | ... | 2,649 | 1,016 | 685 | 247 | 4 | 1,752 | 73'10 | 750 |
| ... | ... | ... | 13 | 2 | 10 | ... | 1 | 2,801 | 910 | 591 | 192 | 5 | 2,163 | 83'2 | 900 |
| ... | ... | ... | 14 | 2 | 10 | ... | 2 | 2,746 | 715 | 725 | 218 | 9 | 2,976 | 147'35 | 1,475 |
| ... | ... | ... | 9 | ... | 9 | ... | ... | 1,923 | 735 | 540 | 122 | 2 | 700 | 29'10 | 375 |
| ... | ... | ... | 11 | ... | 11 | ... | ... | 2,347 | 1,022 | 531 | 199 | 2 | 935 | 32'35 | 375 |
| ... | 1 | ... | 10 | 1 | 9 | ... | 1 | 2,108 | 855 | 424 | 145 | ... | ... | ... | ... |
| ... | ... | ... | 8 | ... | 6 | ... | 2 | 1,788 | 703 | 340 | 181 | 1 | 622 | 20'15 | 175 |
| ... | ... | ... | 13 | 2 | 10 | 1 | ... | 1,378 | 458 | 287 | 89 | 1 | 642 | 24'45 | 200 |
| ... | ... | ... | 4 | 1 | 3 | ... | ... | 1,193 | 470 | 310 | 100 | ... | ... | ... | ... |
| 1 | 1 | 1 | 109 | 10 | 90 | 3 | 9 | 26,427 | 10,518 | 6,743 | 1,554 | 32 | 13,332 | 548'52 | 5,725 |

No. IV.

and Shipping Office Crew during the year ending 31st December 1915.

| Port Trust employes for medical certificate. | | | Light-house keepers for enlistment. | | Passing of new crew. | | Examination of sick persons of Port Health Department Plague Police and employes. | | Remarks. |
|--|------------------------------|---|-------------------------------------|----------------|----------------------|----------------|---|--|----------|
| Number of examinations of employes. | Number of employes examined. | Number of employes declared fit at expiry of medical leave. | Number examined. | Number passed. | Number examined. | Number passed. | Number of Plague Police Constables examined. | Number of Port Health employes examined. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 196 | 33 | 24 Died 1 | ... | ... | 62 | 62 | ... | 2 | |
| 112 | 22 | 17 | 23 | 23 | 162 | 158 | ... | 1 | |
| 140 | 30 | 25 | 10 | 10 | 259 | 241 | 2 | 2 | |
| 210 | 33 | 25 | 7 | 7 | 116 | 110 | 2 | 1 | |
| 95 | 19 | 17 | ... | ... | 100 | 94 | 1 | 1 | |
| 87 | 26 | 23 | ... | ... | 226 | 214 | 1 | ... | |
| 149 | 28 | 23 | 1 | 1 | 219 | 198 | 3 | 2 | |
| 263 | 40 | 29 | 7 | 6 | 256 | 245 | 4 | 1 | |
| 234 | 35 | 9 | ... | ... | 124 | 119 | 2 | ... | |
| 227 | 44 | 31 | ... | ... | 72 | 70 | 3 | 1 | |
| 252 | 43 | 32 | ... | ... | 163 | 156 | 2 | ... | |
| 190 | 29 | 23 | ... | ... | 185 | 170 | ... | ... | |
| 2,155 | 382 | 279* | 48 | 47 | 1,944 | 1,837 | 20 | 11 | |

and continued on duty only a few being on long leave.

STATEMENT No. V.

Statement showing the cases of contagious and infectious and other diseases reported and detected during the year ending 31st December 1915.

| Names of diseases. | In in-coming vessels. | In out-going vessels. | In riverine and steamers and launches. | In vessels in Port. | In Indian bound vessels. | In Port Trust employés. | Total. |
|----------------------|-----------------------|-----------------------|--|---------------------|--------------------------|-------------------------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Plague | .. | ... | 3 | ... | ... | ... | 3 |
| Cholera | 25 | ... | 5 | 4 | 1 | ... | 35 |
| Small-pox | 7 | 1 | ... | 10 | 1 | 3 | 22 |
| Chicken-pox . . . | 8 | ... | ... | 1 | ... | 1 | 10 |
| Measles | 8 | 1 | ... | ... | ... | 1 | 10 |
| Mumps | 1 | ... | ... | 1 | ... | 2 | 4 |
| Relapsing fever ... | ... | ... | ... | 1 | ... | ... | 1 |
| Enteric fever | ... | 1 | 1 | ... | ... | 1 | 3 |
| Total | 49 | 3 | 9 | 17 | 2 | 8 | 88 |

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ANNUAL REPORT
OF THE
PORT HEALTH OFFICER, RANGOON
FOR THE YEAR 1915



RANGOON
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